



#71100
02-13-03
PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: **Douglas James Hilton, et al.** Examiner: **Unassigned**
Serial No: **10/014,156** Art Unit: **1646**
Filed: **December 7, 2001** Docket: **11268A**
For: **NOVEL HAEMOPOIETIN RECEPTOR
AND GENETIC SEQUENCES ENCODING SAME**
Dated: **February 5, 2003**

Assistant Commissioner for Patents
United States Patent and Trademark Office
Washington, D.C. 20231

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Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. X. X. Du, et al. (1994), "Interleukin-11: A Multifunctional Growth Factor Derived From the Hematopoietic Microenvironment", Blood, **83**: pp. 2023-2030;
2. Y.C. Yang, et al. (1992), "Interleukin-11 and Its Receptor", Biofactors, **4**: pp. 15-21;
3. S.R. Paul, et al. (1990), "Molecular Cloning of a cDNA Encoding Interleukin 11, a Stromal Cell-Derived Lymphpoietic and Hematopoietic Cytokine", Proc. Natl. Acad. Sci. USA, **87**: pp. 7512-7516;

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner of Patents and Trademarks, Washington, D.C. 20231 on February 5, 2003.

Dated: February 5, 2003

Michelle Mustafa

4. M. Musashi, et al. (1991), "Synergistic Interactions Between Interleukin-11 and Interleukin-4 in Support of Proliferation of Primitive Hematopoietic Progenitors of Mice", Blood, **78**: pp. 1448-1451;
5. K.R. Schibler, et al. (1992), "Effect of Interleukin-11 on Cycling Status and Clonogenic Maturation of Fetal and Adult Hematopoietic Progenitors", Blood, **4**: pp. 900-903;
6. K. Tsuji, et al. (1992), "Enhancement of Murine Hematopoiesis by Synergistic Interactions Between Steel Factor (ligand for c-kit), Interleukin-11, and Other Early Acting Factors in Culture", Blood, **79**: pp. 2855-2860;
7. Samuel A. Burstein, et al. (1992), "Leukemia Inhibitory Factor and Interleukin-11 Promote Maturation of Murine and Human Megakaryocytes in Vitro", J. Cell. Physiol., **153**: pp. 305-312;
8. Giao Hangoc, et al. (1993), "In Vivo Effects of Recombinant Interleukin-11 on Myelopoiesis in Mice", Blood, **81**: pp. 965-972;
9. Masanao Teramura, et al. (1992), "Interleukin-11 Enhances Human Megakaryocytopoiesis in Vitro", Blood, **79**: pp. 327-331;
10. Yuji Yonomura, et al., (1992), "Synergistic Effects of Interleukin 3 and Interleukin-11 on Murine Megakaryopoiesis in Serum-free Culture", Exp. Hematol., **20**: pp. 1011-1016;
11. Heinz Baumann, et al., (1991), "Interleukin-11 Regulates the Hepatic Expression of the Same Plasma Protein Genes as Interleukin-6", J. Biol. Chem., **266**: pp. 20424-20427;
12. Ichiro Kawashima, et al. (1991), "Molecular Cloning of cDNA Encoding Adipogenesis Inhibitory Factor and Identity with Interleukin-11", Febs. Lett., **283**: pp. 199-202;
13. D.C. Keller, et al. (1993), "Interleukin-11 Inhibits Adipogenesis and Stimulates Myelopoiesis in Human Long-Term Marrow Cultures", Blood, **82**: pp. 1428-1435 ;
14. J. Sambrook, et al., (1989), "Molecular Cloning", A Laboratory Manual Cold Spring Harbor Laboratory, Cold Spring Harbor, NY;
15. Douglas J. Hilton, et al. (1994), "Cloning of a Murine IL-11 Receptor α -chain; Requirement for gp130 for High Affinity Binding and Signal Transduction", EMBO Journal, **13**: pp. 4765-4777;
16. Da-Wei Gong, et al. (1996), "Genomic Structure and Promoter Analysis of the Human obese Gene", J. Biol. Chem., **271**: pp. 3971-3974;
17. Seiichi Mizushima, et al. (1990), "pEF-BOS, a Powerful Mammalian Expression Vector", Nucleic Acids Research, **18**: pp. 5322;
18. Nicos A. Nicola (1996), "Molecular Cloning of Two Novel Transmembrane Ligands for Eph-Related Kinases (LERKS) that are Related to LERK-2", Growth Factors, **13**: pp. 141-149;
19. Douglas J. Hilton, et al. (1992), "Kinetic Analyses of the Binding of Leukemia Inhibitory Factor to Receptors on Cells and Membranes and in Detergent Solution", J. Biol. Chem., **267**: 10238-10247;
20. George Scatchard (1949), "The Attractions of Proteins for Small Molecules and Ions", Ann. N.Y. Acad. Sciences, **51**: 660-672;

21. Unit 3.3.1 (1995), "Mapping by Partial Endonuclease Digestions", Current Protocols in Molecular Biology; and
22. Marvin B. Shapiro, et al. (1987), "RNA Splice Junctions of Different Classes of Eukaryotes: Sequence Statistics and Functional Implications in Gene Expression", Nucleic Acids Research, **15**: 7155-7174;

Applicants are submitting copies of the above-cited references.

Please note that United States Patent No. 5,763,211, dated June 9, 1998, issued to Snodgrass, et al., was cited in applicants' prior application, Serial No. 09/043,816 by the Examiner in an Office Action dated August 7, 2000. Since this reference was previously cited by the Examiner in said parent case, applicants are not submitting a copy of this reference, but respectfully request that this reference be made of record in the instant application.

Consideration of this Information Disclosure Statement is respectfully requested, since the art provided may be material to the examination of the present application as defined under 37 C.F.R. §1.56.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,



Frank S. DiGilio
Registration No. 31,346

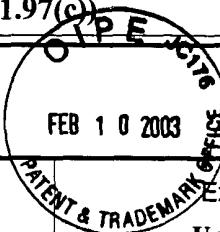
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FSD:ahs

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
11268A

In Re Application Of: **Douglas James Hilton, et al.**



Serial No.
10/014,156

Filing Date
Dec. 7, 2001

Examiner
Unassigned

Group Art Unit
1646

Title: **NOVEL HAEMOPOIETIN RECEPTOR AND GENETIC SEQUENCES**
ENCODING SAME

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37 CFR 1.97(b)

- The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office Action on the merits, whichever event occurs last.

37 CFR 1.97(c)

- The Information Disclosure Statement submitted herewith is being filed after three months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either:

1. a Final Action under 37 CFR 1.113, or
2. a Notice of Allowance under 37 CFR 1.311,

whichever occurs first.

Also submitted herewith is:

a certification as specified in 37 CFR 1.97(e);

OR

the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.
11268A

In Re Application Of: **Douglas James Hilton, et al.**

Serial No. 10/014,156	Filing Date Dec. 7, 2001	Examiner Unassigned	Group Art Unit 1646
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**Title: NOVEL HAEMOPOIETIN RECEPTOR AND GENETIC SEQUENCES
ENCODING SAME**

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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Michelle Mustafa

Typed or Printed Name of Person Mailing Correspondence

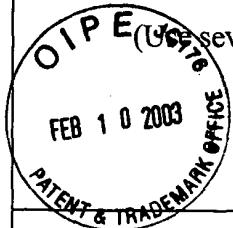
Dated: **February 5, 2003**

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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE		Atty. Docket No. 11268A	Serial No. 10/014,156
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		Applicants Douglas James Hilton, et al.	
		Filing Date Dec. 7, 2001	Group 1646

**U.S. PATENT DOCUMENTS**

Examiner Initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
							NO

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

1	X. X. Du, et al. (1994), "Interleukin-11: A Multifunctional Growth Factor Derived From the Hematopoietic Microenvironment", <u>Blood</u> , 83 : pp. 2023-2030
2	Y.C. Yang, et al. (1992), "Interleukin-11 and Its Receptor", <u>Biofactors</u> , 4 : pp. 15-21
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DATE CONSIDERED



Form PTO-1449 U.S. DEPARTMENT OF COMMERCE
(REV. 7-80) PATENT AND TRADEMARK OFFICE

Priority Docket No.

11268A

Serial No.
10/014,156

**LIST OF PRIOR ART
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Applicants

Douglas James Hilton, et al.

Filing Date

Dec. 7, 2001

Group
1646

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U.S. PATENT DOCUMENTS

Examiner Initial		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)

FOREIGN PATENT DOCUMENTS

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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

12	Ichiro Kawashima, et al. (1991), "Molecular Cloning of cDNA Encoding Adipogenesis Inhibitory Factor and Identity with Interleukin-11", <u>Febs. Lett.</u> , 283 : pp. 199-202
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14	J. Sambrook, et al., (1989), "Molecular Cloning", <u>A Laboratory Manual Cold Spring Harbor Laboratory</u> , Cold Spring Harbor, NY
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17	Seiichi Mizushima, et al. (1990), "pEF-BOS, a Powerful Mammalian Expression Vector", <u>Nucleic Acids Research</u> , 18 : pp. 5322
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21	Unit 3.3.1 (1995), "Mapping by Partial Endonuclease Digestions", <u>Current Protocols in Molecular Biology</u>
22	Marvin B. Shapiro, et al. (1987), "RNA Splice Junctions of Different Classes of Eukaryotes: Sequence Statistics and Functional Implications in Gene Expression", <u>Nucleic Acids Research</u> , 15 : 7155-7174

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